

Release notes for ENDF/B Development n-038_Sr_089
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=3840, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=3840, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      78 TO      139
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=3840, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=3840, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      78
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3840, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      141
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      402
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      446
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      487
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      520
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 540

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 546

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 557

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 568

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 601

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 632

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 662

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 55
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 691

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 56 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 56 | RECORD NUMBER | 720 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 57 | RECORD NUMBER | 749 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 58 | RECORD NUMBER | 777 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 59 | RECORD NUMBER | 805 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 60 | RECORD NUMBER | 832 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 61 | RECORD NUMBER | 859 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 62 | RECORD NUMBER | 885 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 63 | RECORD NUMBER | 911 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 64 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 64 | | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER | 937 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 65 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 65 | | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER | 962 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 66 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 66 | | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER | 987 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 67 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 67 | | |
| | SECTION 3/ 67 NOT IN DIRECTORY | RECORD NUMBER | 1012 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT= 91 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT= 91 | | |
| | SECTION 3/ 91 NOT IN DIRECTORY | RECORD NUMBER | 1036 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT=102 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 1060 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 1101 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=3840, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 1122 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT=105 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT=105 | |
| SECTION 3/105 NOT IN DIRECTORY | RECORD NUMBER 1135 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT=106 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT=106 | |
| SECTION 3/106 NOT IN DIRECTORY | RECORD NUMBER 1149 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 3, MT=107 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 3, MT=107 | |
| SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER 1155 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 2 (0): Directory (b)
- | | |
|--|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 2 | |
| SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER 1182 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 16 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 16 | |
| SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER 1631 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 17 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 17 | |
| SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER 1690 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 22 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 22 | |
| SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER 1707 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 28 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 28 | |
| SECTION 4/ 28 NOT IN DIRECTORY | RECORD NUMBER 1742 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 51 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 51 | RECORD NUMBER | 1777 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 52 | RECORD NUMBER | 1964 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 53 | RECORD NUMBER | 2146 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 54 | RECORD NUMBER | 2223 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 55 | RECORD NUMBER | 2400 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 56 | RECORD NUMBER | 2577 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 57 | RECORD NUMBER | 2754 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 58 | RECORD NUMBER | 2829 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 59 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 59 | |
| | SECTION 4/ 59 NOT IN DIRECTORY | RECORD NUMBER 2904 |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 60 | |
| | SECTION 4/ 60 NOT IN DIRECTORY | RECORD NUMBER 3081 |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 61 | |
| | SECTION 4/ 61 NOT IN DIRECTORY | RECORD NUMBER 3154 |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 62 | |
| | SECTION 4/ 62 NOT IN DIRECTORY | RECORD NUMBER 3326 |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 63 | |
| | SECTION 4/ 63 NOT IN DIRECTORY | RECORD NUMBER 3399 |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 64 | |
| | SECTION 4/ 64 NOT IN DIRECTORY | RECORD NUMBER 3472 |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 65 | |
| | SECTION 4/ 65 NOT IN DIRECTORY | RECORD NUMBER 3644 |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 66 | |
| | SECTION 4/ 66 NOT IN DIRECTORY | RECORD NUMBER 3816 |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 67
SECTION 4/ 67 NOT IN DIRECTORY RECORD NUMBER 3988

56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 4, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 4, MT= 91
SECTION 4/ 91 NOT IN DIRECTORY RECORD NUMBER 4155

57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 5, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 5, MT= 16
SECTION 5/ 16 NOT IN DIRECTORY RECORD NUMBER 4227

58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 5, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 5, MT= 17
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 4497

59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 5, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 5, MT= 22
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 4557

60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 4700

61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3840, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=3840, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 4843

- **psyche** Warnings:

1. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 2.88107E+06 DISSAGREES WITH THE GIVEN Q 2.69760E+06 (0): Iffy Q

FILE 3
SECTION 107
THE CALCULATED Q 2.88107E+06 DISSAGREES WITH THE GIVEN Q 2.69760E+06

- **recent** Warnings:

1. Fission widths given for non-fissile nucleus, but are zero
0: *Fission?*

```

Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria-----          MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background-      Output (Resonance Contribution)
... [519 more lines]

```

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.92%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 19: n[multiplicity:'2'] + Sr88 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6070273.546783447 eV vs -6.367e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 20: n[multiplicity:'3'] + Sr87 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17182919.03967285 eV vs -1.748e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 21: n + H1 + Rb88 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10600669.67121887 eV vs -1.09e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 22: Sr90 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8092224.800842285 eV vs 7.8024e6 eV!

5. Calculated and tabulated Q values disagree.
reaction label 23: n + He4 + Kr85 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6865346.015045166 eV vs -7.1597e6 eV!

6. Calculated and tabulated Q values disagree.
reaction label 24: H1 + Rb89-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -3425848.19442749 eV vs -3.7195e6 eV!

7. Calculated and tabulated Q values disagree.
reaction label 25: H2 + Rb88-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8376103.570281982 eV vs -8.675e6 eV!

8. Calculated and tabulated Q values disagree.
reaction label 26: H3 + Rb87_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8201390.516189575 eV vs -8.4966e6 eV!

9. Calculated and tabulated Q values disagree.
reaction label 27: He3 + Kr87_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12071168.3984375 eV vs -1.2365e7 eV!

10. Calculated and tabulated Q values disagree.
reaction label 28: He4 + Kr86_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 2991274.767868042 eV vs 2.6976e6 eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended

to goad evaluators to improve things!

grouppr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 91  
                           only mf4/mf5 provided
```